

Cytometer Baseline Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 07/06/2016 09:46 AM

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 25720, **Expiration Date:** 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	PMTV	New Target Value	Old Target Value	Bright Bead %Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV	Dim Bead Median Channel	Dim Bead % Robust CV
Blue	FSC	FSC	598	125000	N/A	2.79	123326	2.69	19361	3.83
Blue	F	SSC	518	125000	N/A	4.98	119214	4.74	58967	3.75
Blue	E	FITC	525	21137	N/A	3.49	936	9.64	107	37.51
Blue	D	PE	519	25913	N/A	3.16	928	9.10	203	26.44
Blue	B	PerCP-Cy5-5	613	46728	N/A	4.16	1337	15.50	211	41.84
Blue	A	PE-Cy7	664	40457	N/A	5.40	626	32.78	71	105.13
Red	C	APC	591	50567	N/A	2.94	2932	9.22	337	27.18
Red	A	APC-Cy7	571	52095	N/A	2.97	1076	11.17	118	39.54
Violet	B	V450	463	13425	N/A	3.32	649	8.63	79	41.93
Violet	A	V500	494	55630	N/A	3.05	2473	6.13	180	25.15

Detector Settings (Continued)

Laser	Detector	Parameter	Linearity Min Channel	Linearity Max Channel	Slope	Intercept	Electronic Noise Robust SD	Qr	Br
Blue	FSC	FSC	N/A	N/A	0.0040	2.7	N/A	N/A	N/A
Blue	F	SSC	N/A	N/A	7.1756	-14.4	N/A	N/A	N/A
Blue	E	FITC	95	235649	7.3377	-15.6	21.2	0.0267	320
Blue	D	PE	26	234235	7.2606	-15.3	21.1	0.2077	252
Blue	B	PerCP-Cy5-5	163	231884	7.3502	-15.8	23.0	0.0129	166
Blue	A	PE-Cy7	197	230971	7.4412	-16.4	22.0	0.0140	10
Red	C	APC	99	236490	7.3775	-15.7	19.3	0.0218	86
Red	A	APC-Cy7	100	238254	7.3970	-15.7	18.3	0.0057	1488
Violet	B	V450	43	237311	7.3610	-15.5	13.1	0.0481	2142
Violet	A	V500	80	242956	7.5501	-15.6	14.3	0.0140	1020

Specifications

Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.72	-31.35	0.80
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.30
Red	15.61	13.28 - 19.92	N/A	N/A	32.02	32.12	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10930

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

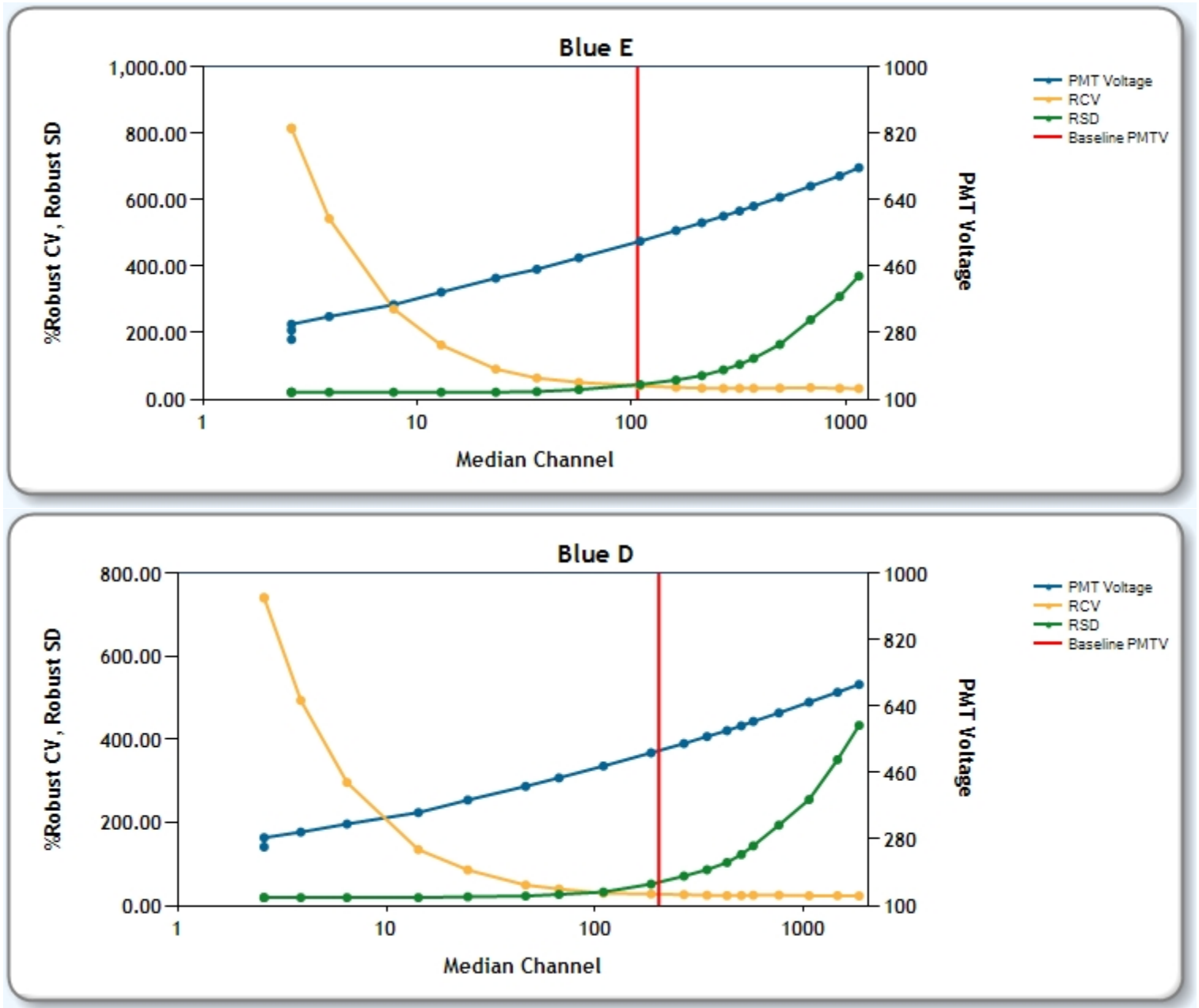
Comments

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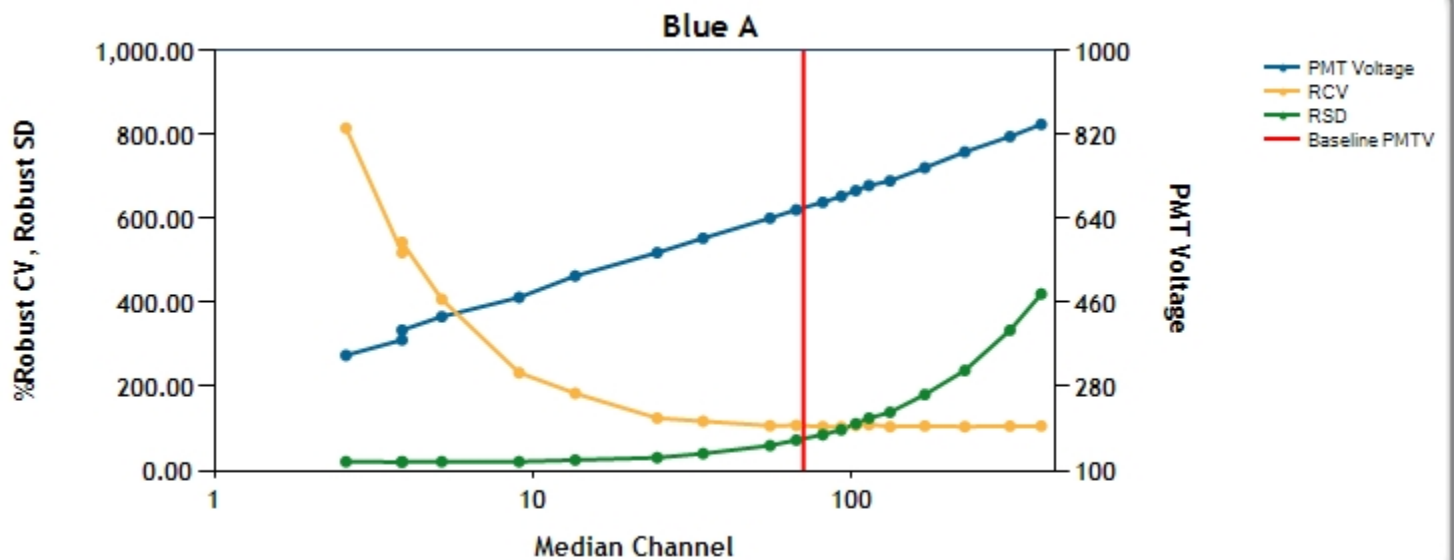
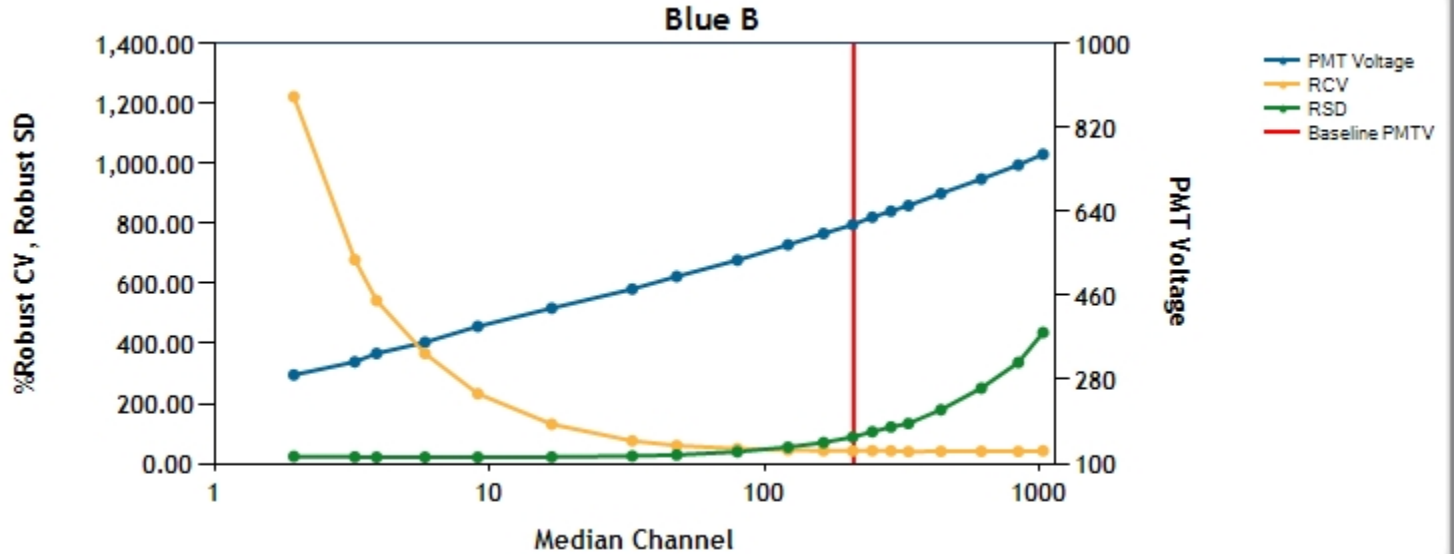
PMTV Optimization Results



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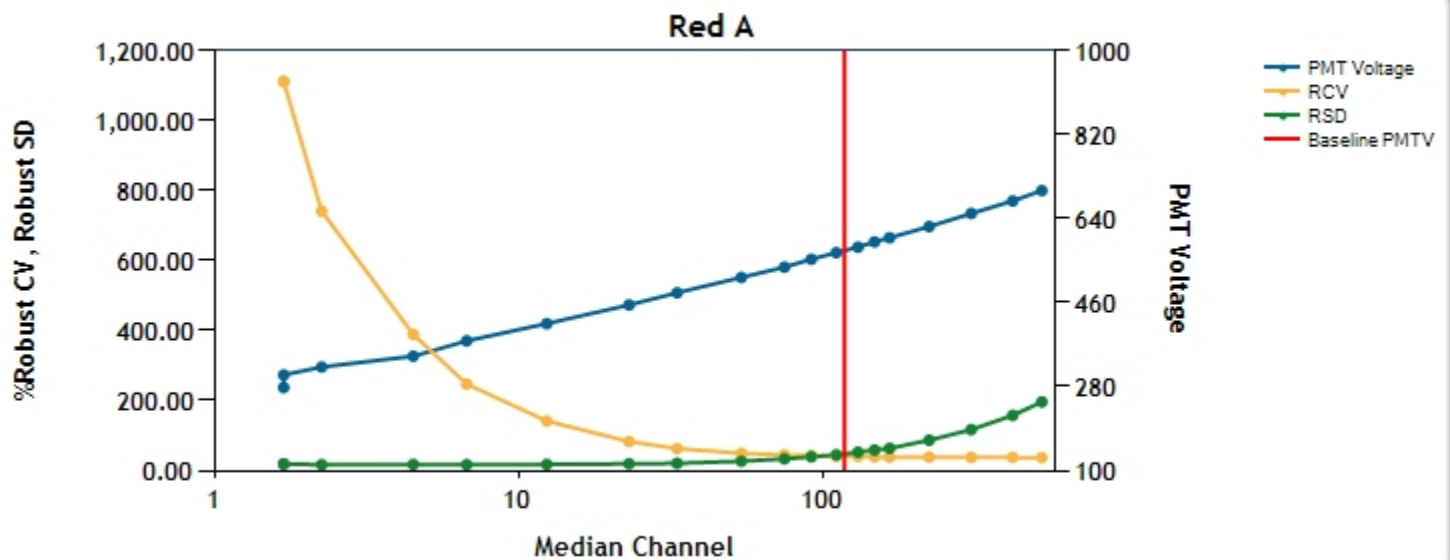
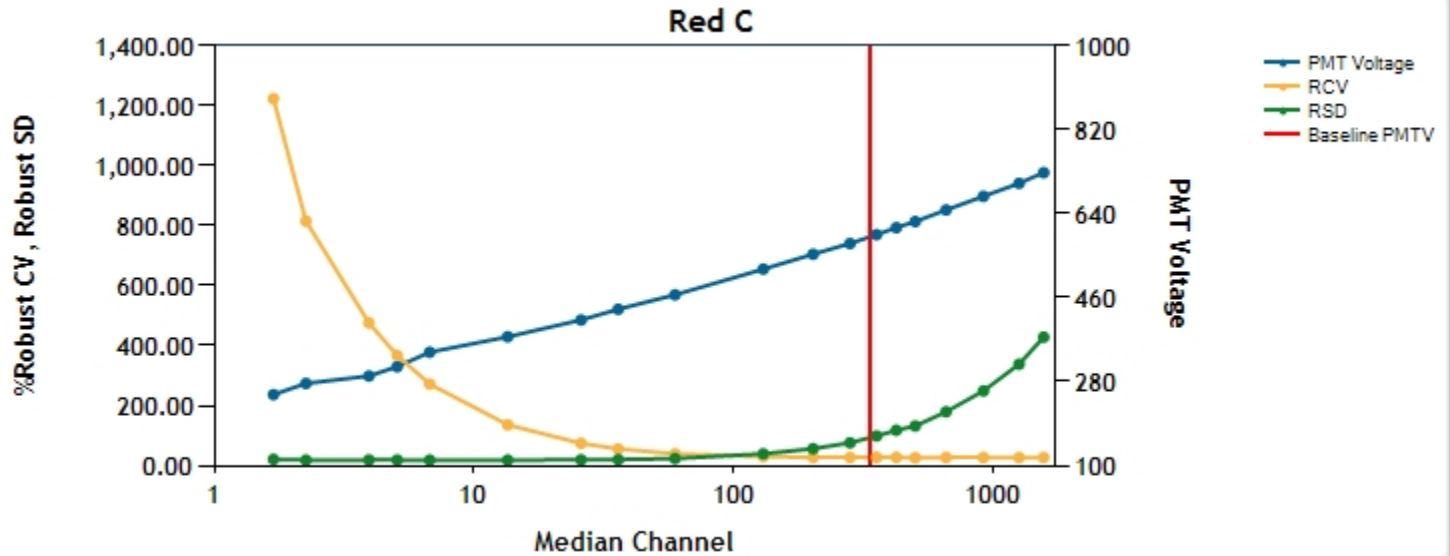
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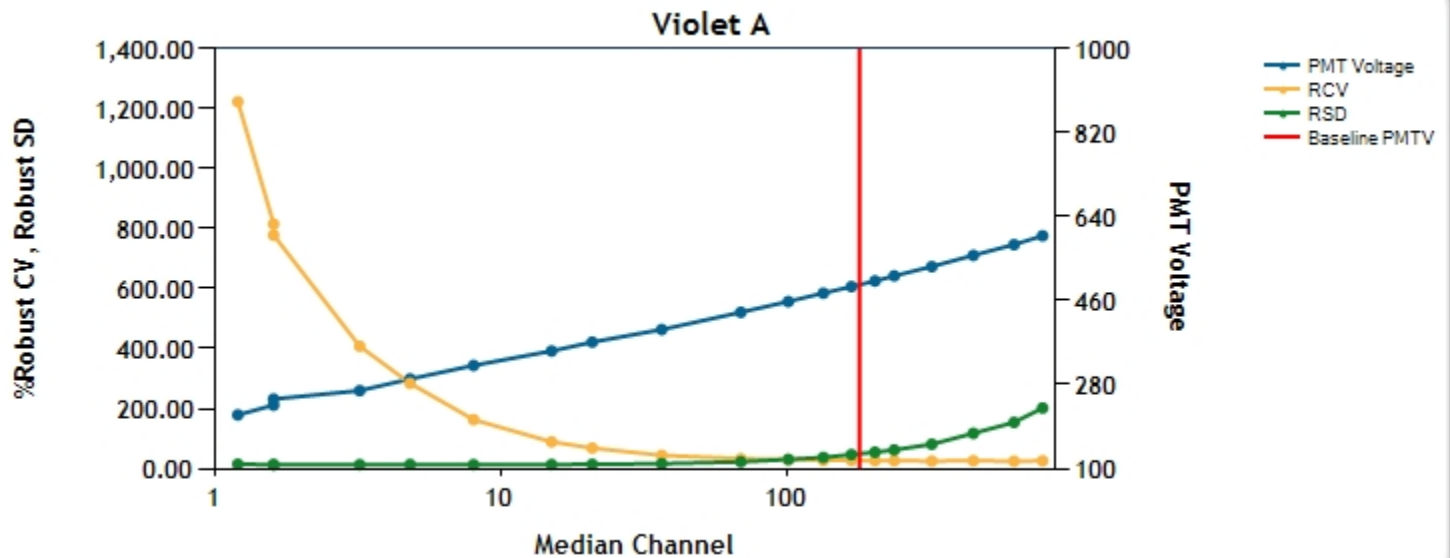
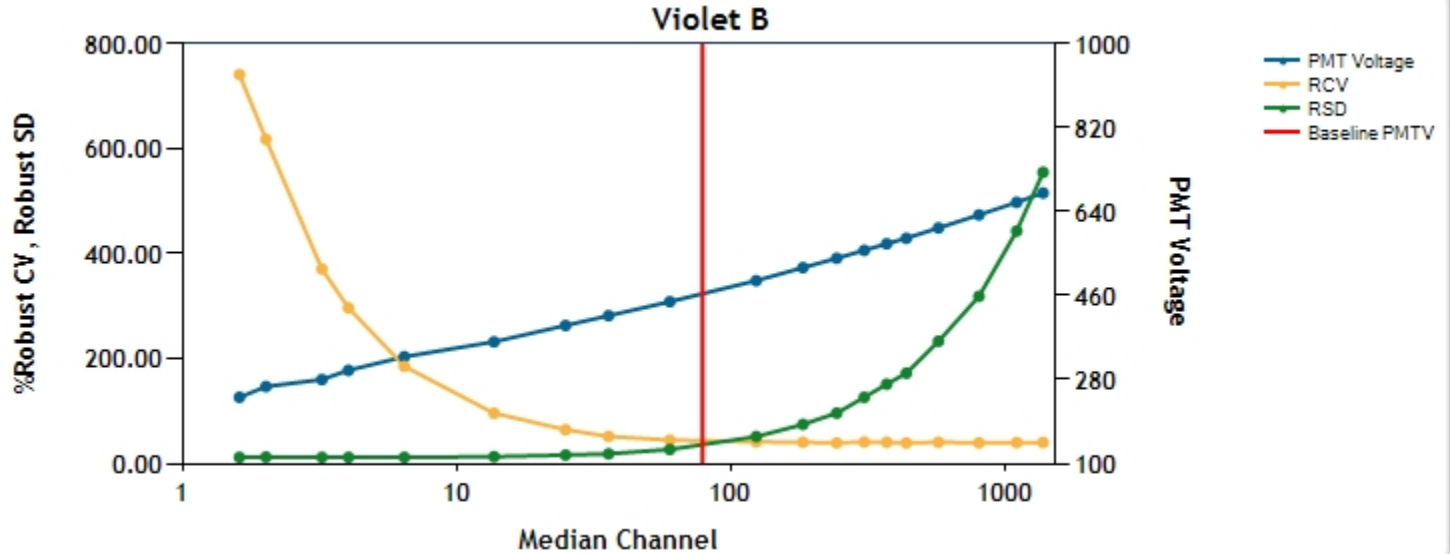
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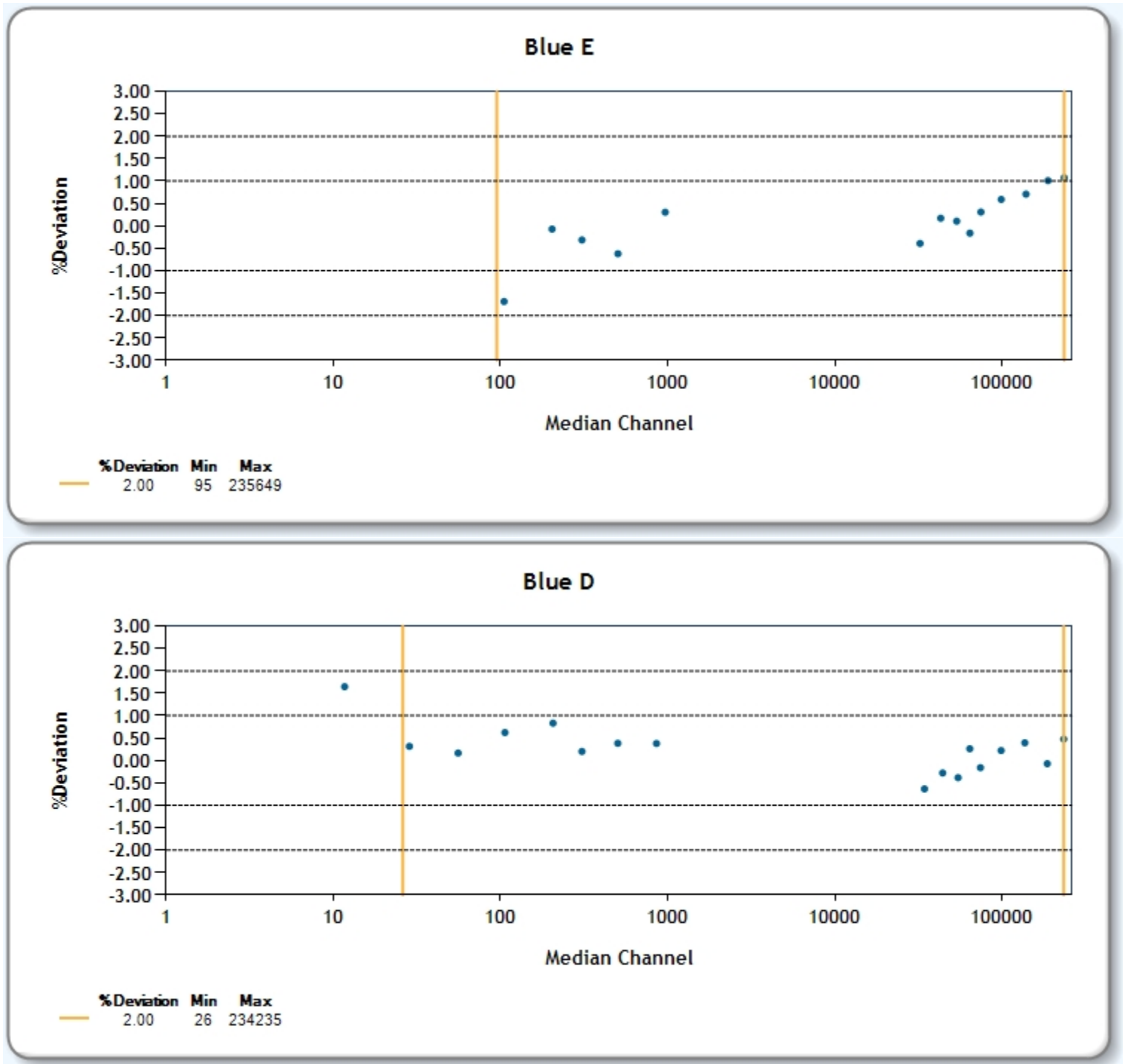


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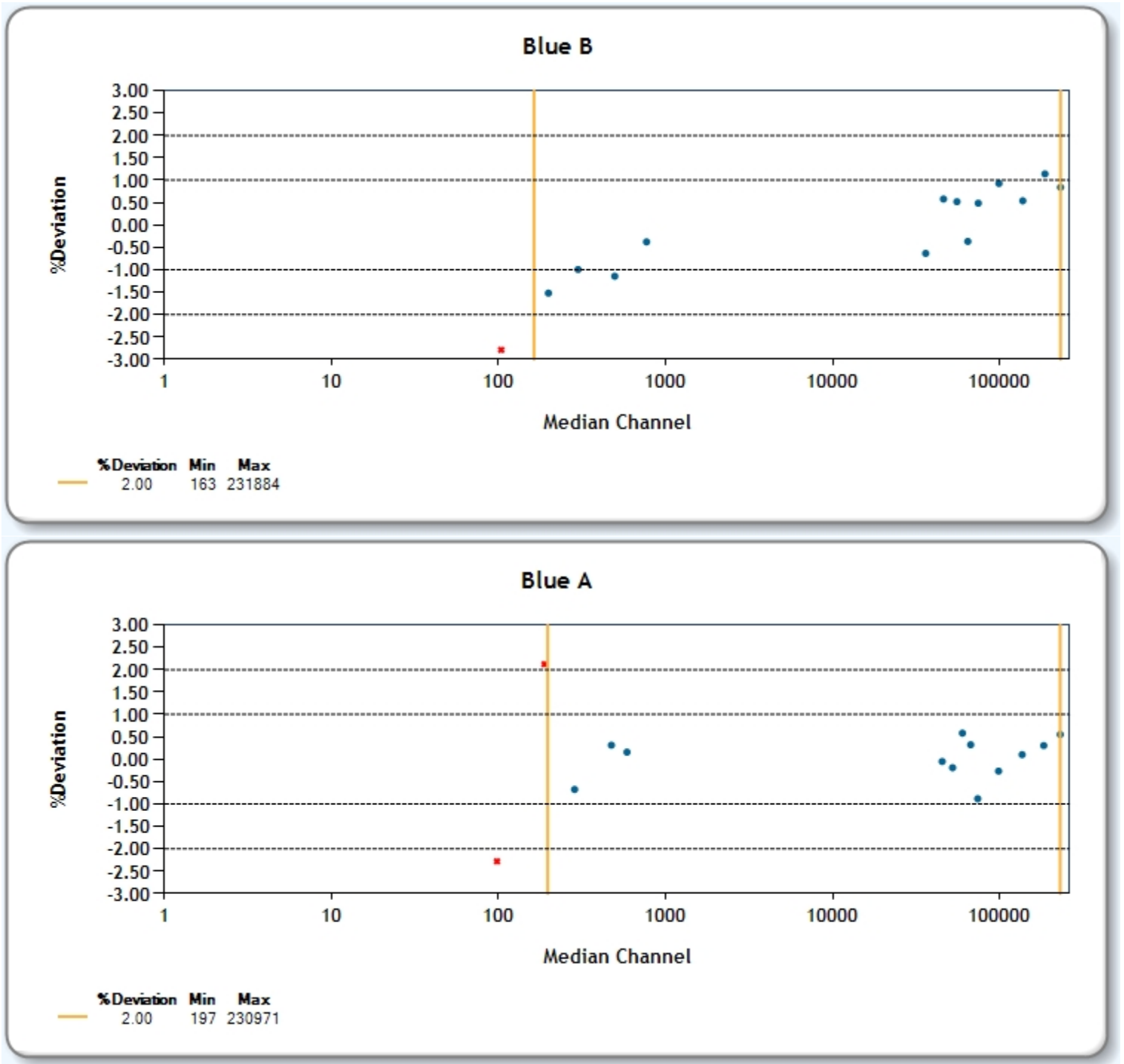
Linearity Results



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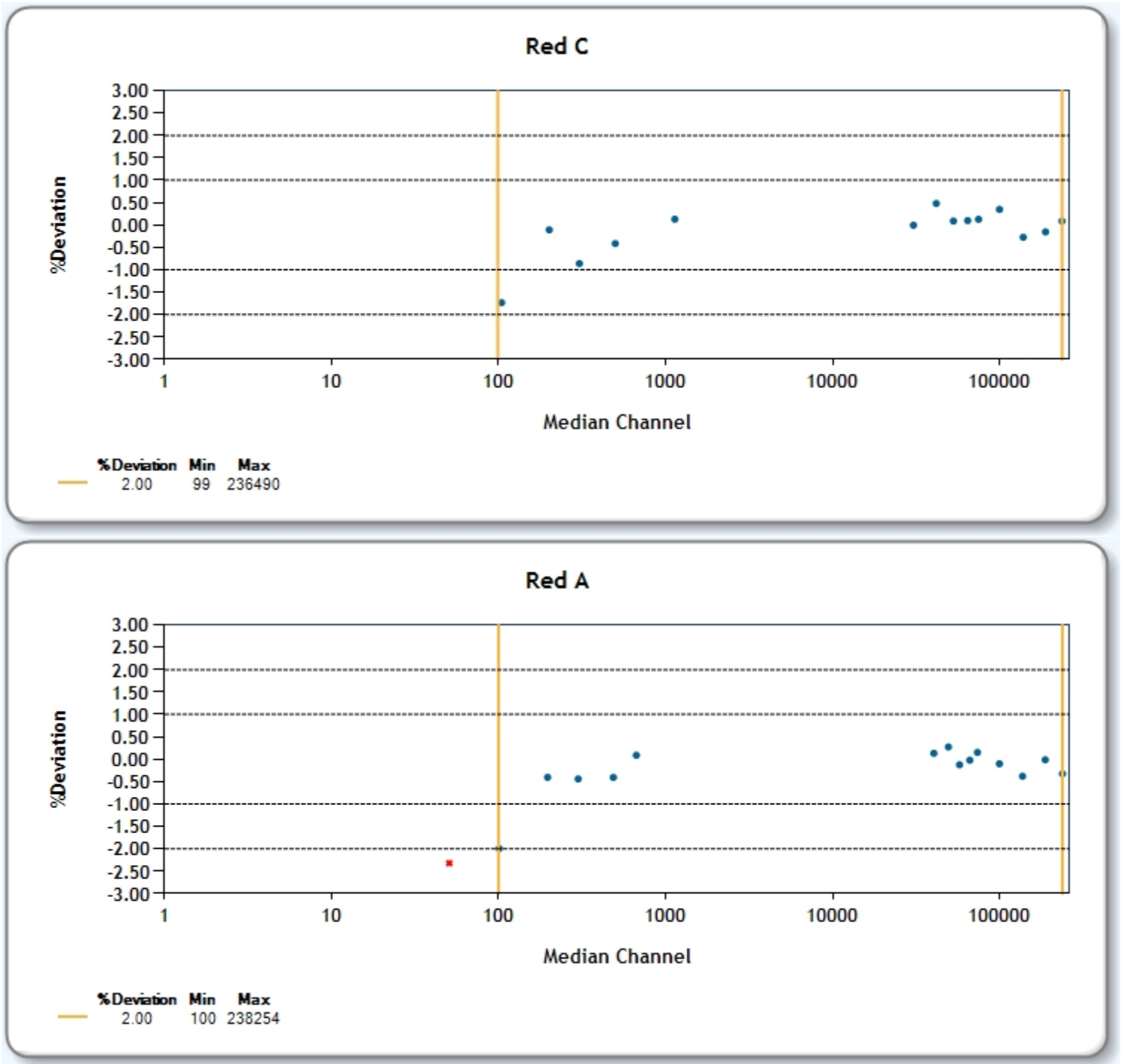
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